# TOBIAS CANAVESI

**Data Scientist, PhD**

@ tobiascanavesi@gmail.com  📞 +5491132531117  📍 **Buenos Aires, Argentina.**   tobiascanavesi
 tcanavesi 📍 https://tcanavesi.on.fleek.co/ (Personal Website)

## PERSONAL PROFILE

I consider myself in love with mathematics and the Universe. I have a bachelor degree in Astronomy and a PhD in theoretical physics. I also like technology (particularly Artificial Intelligence). I did Data Science courses and i have experience working in important projects across various industries. I'm a versatile person, capable of adapting to any task or problem to solve. I enjoy working with people from different areas because i think that multidisciplinary collaboration is key to the advancement of society.

## ACTUAL POSITION

### Senior Data Scientist
**Heyday**

📅 December 2022 – Ongoing      📍 United States, Remotely

- Create analytical solutions in SQL and Python to address various needs.
- Improve forecasting capabilities and accuracy for over 7000 products by utilizing AI techniques, including automating the entire workflow in Airflow. (AWS)
- Work on NLP-related projects.
- Develop various projects from scratch to automation.
- Agent creation using LangChain and LLM models to obtain sales insights. (Streamlit+Python)

## PREVIOUS POSITION

### Specialist Data Scientist
**Accenture**

📅 Nov 2021 – Dec 2022      📍 Buenos Aires, Argentina

- Manage, architect and analyze big data in order to build data driven business insights and high impact data models to generate significant business value. Create models and processes to collect, distill and interpret data with a view to aid better, more informed decision making.

### Postgraduate professor
**University of Buenos Aires**

📅 May 2022 – Jun 2023      📍 Buenos Aires, Argentina

- Postgraduate professor at the School of Engineering of the University of Buenos Aires, teaching the course Machine Learning I for the Artificial Intelligence Specialization Course (CEIA).

## LANGUAGES

**English**                                          ●●●●○

## MY LIFE PHILOSOPHY

*"Every problem has a solution, even if the solution is in another problem."*

## SKILLS

**Work in group**
Ability to work in a group, either leading or being part of it

**Programming**
Programming in different languages mainly in Python and Mathematica.

**Data Science Skills**
Data wrangling, Data Visualization, ability to understand a problem in depth in order to be able to use the appropriate machine learning and deep learning tools. Segmentation, forecasting, regression and classification. Automation.

## TECHNICAL SKILLS

- Python
- Wolfram
- SQL
- Problem solving skills
- Machine Learning
- Deep Learning
- Cloud

## EDUCATION

### Ph.D. in Theoretical Physics
**National University of La Plata**
📅 2018 – 2023. Pass with Honors

### BSc. in Astronomy
**National University of La Plata**
📅 2019 – 2017

### Data Science Specialization
**Digital House**
📅 Mar 2021 – Sep 2021

### Deep Learning Specialization
**Deep Learning AI**
📅 Jan 2022 – No expiration date

**Spanish** ●●●●●

# SELECT EXPERIENCE

### Demand Forecasting
**Airline Company (Chile)**

📅 2022 - Ongoing

- Design, implementation and evaluation of machine learning models for time series forecasting.
- Forecast performance analysis comparing ML and time series models.
- Study on price elasticity of demand.

### Simulation - Optimization
**Mining Industry (Canada)**

📅 2022

- Part of the team in charge of creating a simulation and optimization model for water treatment. (Databricks + Azure)
- Agile project management (Azure DevOps).

### Optimization
**Mining Industry (Chile)**

📅 2022

- Creation of a water use optimization model. (Databricks + Azure)

### Segmentation - Clustering
**E-Commerce (LATAM)**

📅 2022

- Definition of metrics and algorithms for retraining clustering models.
- Application of statistics to understand a better application of promotions.

### Demand Forecasting
**Drinks company (Chile)**

📅 2021

- Design, implementation and evaluation of machine learning models for time series forecasting. (AWS - Sagemaker)
- Forecast performance analysis comparing ML and time series models. (AWS - Sagemaker)

### Instructor of the Wolfram Summer School 2021
**Wolfram Research (United States)**

📅 2021

- Working as a mentor at the Wolfram 2021 summer school. https://education.wolfram.com/summer-school

# CERTIFICATIONS

### Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
**Deep Learning AI**

📅 Apr 2022 – No expiration date

### Structuring Machine Learning Projects
**Deep Learning AI**

📅 Apr 2022 – No expiration date

### Neural Networks and Deep Learning
**Deep Learning AI**

📅 Apr 2022 – No expiration date

### Convolutional Neural Networks
**Deep Learning AI**

📅 Apr 2022 – No expiration date

### Sequence Models
**Deep Learning AI**

📅 Jun 2022 – No expiration date

### Databases and SQL for Data Science with Python
**Deep Learning AI**

📅 Jul 2022 – No expiration date

### Introduction to Machine Learning in Production
**Deep Learning AI**

📅 Jul 2022 – No expiration date

# AWARDS

### Thank you for being an AI Hero - Client Value Creation
**Accenture**

📅 Aug 2022

# PUBLISHED RESEARCH

Visit my google scholar page Tobias Canavesi